

PUMPS



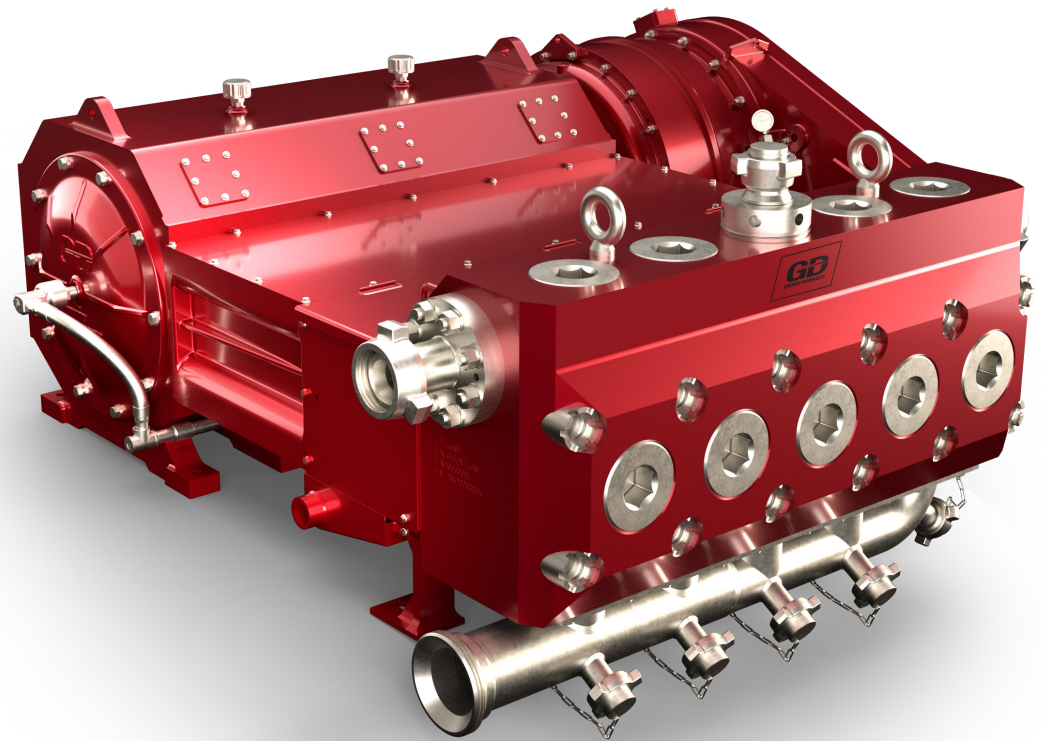
THUNDER 5000

HYDRAULIC FRACTURING PUMP

GD Energy Products' Thunder 5000 was designed to meet the needs of conventional frac operations, delivering 5,000 brake horsepower with an 11" stroke and robust fluid end technology. Built from the combined design concepts of the Thunder E-Max and Thunder 3000 QNT, the Thunder 5000 is the first of its kind in the evolution of high-horsepower pumps.

SPECIFICATIONS

Maximum Input	5000 BHP (1,902 kW to 3,730 kW)
Maximum RPM	300 RPM
No. of Cylinders	5
Stroke Length	11 in. (279 mm)
Rod Load	250,000 lbs.
Pump Weight	Approx. ~ 26,000 lbs.
Gear Ratio	7.525:1 Optimized for diesel and dual fuel applications



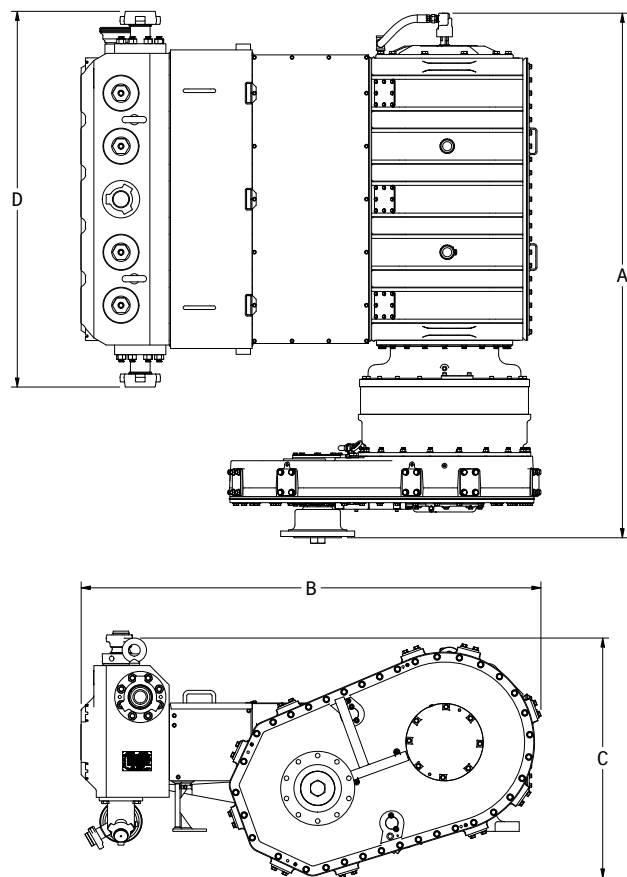
DISPLACEMENT @PUMP RPM - INTERMITTENT SERVICE

PLUNGER DIAMETER		DISPLACEMENT PER REVOLUTION		7.525:1 Input Speed																			
				376				753				1505				1881				2258			
				50				100				200				250				300			
				GPM	m ³ /hr	PSI	bar	GPM	m ³ /hr	PSI	bar	GPM	m ³ /hr	PSI	bar	GPM	m ³ /hr	PSI	bar	GPM	m ³ /hr	PSI	bar
4	102	2.992	0.0113	150	34	19894	1372	299	68	19894	1372	598	136	12889	889	748	170	10312	711	898	204	8593	592
4.5	114	3.787	0.0143	189	43	15719	1084	379	86	15719	1084	757	172	10184	702	947	215	8147	562	1136	258	6789	468
5	127	4.675	0.0177	234	53	12732	878	467	106	12732	878	935	212	8249	569	1169	265	6599	455	1402	319	5499	379
5.5	140	5.657	0.0214	283	64	10523	725	566	128	10523	725	1131	257	6818	470	1414	321	5454	376	1697	385	4545	313
5.75	146	6.183	0.0234	309	70	9628	664	618	140	9628	664	1237	281	6238	430	1546	351	4990	344	1855	421	4158	287
6	152	6.732	0.0255	337	76	8842	610	673	153	8842	610	1346	306	5729	395	1683	382	4583	316	2020	459	3819	263
6.5	165	7.901	0.0299	395	90	7534	519	790	179	7534	519	1580	359	4881	337	1975	449	3905	269	2370	538	3254	224

THUNDER 5000

HYDRAULIC FRACTURING PUMP

SPECIFICATIONS



GB Ratio	A	B	C	D
	in.	in.	in.	in.
7.525:1	108.82	95.37	49.78	77.94

STANDARD FEATURES

- 11" stroke length boosts flow and reduces consumable changeouts
- Optimized crankshaft design lowers vibration
- Falcon Technology allows fast, valve changing without special tooling
- Stainless steel fluid end resists corrosion in tough conditions
- Standard fluid end equipped with GDEP internals
- Thunder-specific plunger, stuffing box, and packing nuts